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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/697,123B

DATE: 01/22/2002

TIME: 09:46:20

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\01222002\I697123B.raw

ENTERED

3 <110> APPLICANT: ERUME BIOTECH CO., LTD.

5 <120> TITLE OF INVENTION: rpoB gene fragments and a method for the diagnosis and identification of

6 Mycobacterium tuberculosis Mycobacterial strains

8 <130> FILE REFERENCE: PUS-001027

10 <140> CURRENT APPLICATION NUMBER: US 09/697,123B

11 <141> CURRENT FILING DATE: 2000-10-27

13 <150> PRIOR APPLICATION NUMBER: KR 1999-46795

14 <151> PRIOR FILING DATE: 1999-10-27

16 <160> NUMBER OF SEQ ID NOS: 26

18 <170> SOFTWARE: PatentIn version 3.0

20 <210> SEQ ID NO: 1

21 <211> LENGTH: 208

22 <212> TYPE: DNA

23 <213> ORGANISM: Mycobacterium gordonae I

25 <400> SEQUENCE: 1

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30 ccatcgagta cctgggtcgc ctgcacgagg gccagcacac gatgaccgtc ccgggcggca 180

32 ccgaggtgcc ggttgagacc gacgacat 208

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38 <213> ORGANISM: Mycobacterium gordonae II

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45 ccatcgagta cctgggtcgc ctgcacgagg gtcagtcggc gatgaccggt cccggcggcg 180

47 ccgaggtgcc ggttgagacc gacgacat 208

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60 ccatcgagta cctgggtcgc ctgcacgagg gtcagcacac gatgaccgtt ccgggcggca 180

62 ccgaggttcc ggttgagacc gacgacat 208

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68 <213> ORGANISM: Mycobacterium gordonae IV

70 <400> SEQUENCE: 4

71 tcaaggagaa gcgctacgac ctggcccgtg tcggccgcta caaggtcaac aagaagotgg 60

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73 gcctgcatgt cgggatccg atcaccagct cgacgctgac cgaagaggac gtcgtcgcca 120
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77 cgaggttccg gtggagaccg acgacat 207
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81 <211> LENGTH: 208
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83 <213> ORGANISM: Mycobacterium tuberculosis
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90 ccatcgaata tctggtccgc ttgacgagg gtcagaccac gatgaccgtt cgggcgggcg 180
92 tcgaggtgcc ggtggaaacc gacgacat 208
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97 <212> TYPE: DNA
98 <213> ORGANISM: Mycobacterium terrae
100 <400> SEQUENCE: 6
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107 tcgaggtgcc ggtggaaacc gacgacat 208
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111 <211> LENGTH: 214
112 <212> TYPE: DNA
113 <213> ORGANISM: Mycobacterium chelonae
115 <400> SEQUENCE: 7
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120 tcgccaccat cgggtacctg gtgcgcctgc acgagggcca gaccacgatg accgcccocg 180
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126 <211> LENGTH: 208
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128 <213> ORGANISM: Mycobacterium kansasii
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142 <212> TYPE: DNA
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148 gtctgcacgc cggcgagccg atcacgtcgt ccacgctgac cgagggaagac gtcgtcgcca 120
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152 ctgtcccogg cggcatcgag gtgccggtgg agaccgacga cat 223
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163 gcctgaacgc cggccagccc atcaccagct cgacgctgac cgaggaagac gtcgtcgcca      120
165 ccatcgaata cctgggtccgc ttgcacgagg gccagaccgc gatgaccgct ccgggcgggtg      180
167 tcgaggtgcc ggtcgagacc gacgacat                                     208
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172 <212> TYPE: DNA
173 <213> ORGANISM: Mycobacterium marinum
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180 ccatcgaata cctgggtccgc ttgcacgagg gccagaccgc gatgaccgct ccgggcgggtg      180
182 tcgaggtgcc ggtcgagacc gacgacat                                     208
185 <210> SEQ ID NO: 12
186 <211> LENGTH: 207
187 <212> TYPE: DNA
188 <213> ORGANISM: Mycobacterium szulgai
190 <400> SEQUENCE: 12
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195 catcgagtac ctggttcggc tgcacgaggg ccagaccacg atgaccgttc ccggcggcac      180
197 cgaggtgccg gtggagaccg acgacat                                     207
200 <210> SEQ ID NO: 13
201 <211> LENGTH: 223
202 <212> TYPE: DNA
203 <213> ORGANISM: Mycobacterium gastri
205 <400> SEQUENCE: 13
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208 gcctgaacac cgatcatccg atcaccacca cgacgctgac cgaagaagac gtcgtcgcca      120
210 ccatcgagta cctgggttcgc ctgcaccacg cctctcaggg tggccaggcc cccgttatga      180
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216 <211> LENGTH: 214
217 <212> TYPE: DNA
218 <213> ORGANISM: Mycobacterium malmoeense
220 <400> SEQUENCE: 14
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223 ggctgccggc ggccgagtcg gccgtacccg cctcgaccac gctgaccgaa gcggatgtcg      120
225 tcgccaccat cgagtacctg gtgcgcctgc acgagggccg ggcaacgatg acggttcccc      180
227 gcggcgtcga ggtgccgggt gagaccgacg acat                                     214
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232 <212> TYPE: DNA
233 <213> ORGANISM: Mycobacterium avium
235 <400> SEQUENCE: 15

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236 tcaaggagaa gcgctacgac ctggcccggg tgggcccgcta caagggtcaac aagaagctcg      60
238 gcctgcacgc cgggtagccg atcaccagct cgacgtgac cgaggaagac gtcgtcgcca      120
240 ccatcgagta cctggtgcgc ctgcacgagg gtcagccac gatgaccgtc cccggcggca      180
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247 <212> TYPE: DNA
248 <213> ORGANISM: Mycobacterium bovis
250 <400> SEQUENCE: 16
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255 ccatcgagta tctggtccgc ttgcacgagg gtcagaccac gatgaccgtt ccgggcggcg      180
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270 ccatcgagta cctggtccgc ctgcacgagg gccacaccac gatgaccgtc ccgggcggag      180
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277 <212> TYPE: DNA
278 <213> ORGANISM: Mycobacterium flavescens
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293 <213> ORGANISM: Mycobacterium fortuitum
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315 ccatcgagta cctggtgcgc ctgcacgagg gccagcccac gatgaccgtc cccggcatcg      180
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330 tcgccaccat cgagtacctg gtgcgcctgc acgagggcca gaccacgatg accgcccccg      180
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336 <211> LENGTH: 208
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368 <213> ORGANISM: Mycobacterium xenopi
370 <400> SEQUENCE: 24
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375 ccatcgaata cctgggtgdc ttgcacgagg ggcacgccac gatgaaggtc cccggtggcg      180
377 tcgaggtgcc ggtggagacc gacgacat                                     208
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381 <211> LENGTH: 19
382 <212> TYPE: DNA
383 <213> ORGANISM: Artificial Sequence
385 <220> FEATURE:
386 <223> OTHER INFORMATION: Chemically synthesized PCR amplification primer for amplifying
the rpoB
387         region of Microbacterial species
389 <400> SEQUENCE: 25
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395 <212> TYPE: DNA
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